

What is claimed is:

1. A dynamoelectric machine comprising:

a pair of brackets each having a bearing housing of a bottomed cylindrical configuration arranged with their openings directed to an inner side;

a pair of bearings each having a cylindrical outer ring and a cylindrical inner ring with rolling members interposed therebetween, said bearings being received in said brackets, respectively, with the rotation of said outer rings being restricted;

a rotor having a shaft rotatably supported by said brackets through said bearings, with said shaft being press-fitted at opposite ends thereof into said inner rings; and

a resin case interposed between one of said bearing housings and an associated one of said outer rings of said bearings,

wherein said resin case is formed in the shape of a cylinder so as to cover the entire axial length of said associated outer ring, said resin case having a slit formed therein so as to extend in an axial direction from one axial end of said resin case to the other axial end thereof; and

wherein said resin case is press-fitted into said associated bearing housing with said one axial end thereof being positioned at an opening side of said associated bearing housing, one of said bearings being press-fitted into said resin case.

2. The dynamoelectric machine as set forth in claim 1, wherein at least one detent is protruded in a radially outer direction in at least one circumferential location on an outer periphery of said resin case at the one axial end thereof; said slit has a width narrower than the circumferential width of said detent and extends from the neighborhood of said detent in an axial direction of said resin case; and a detent receiving portion is

formed in an edge portion of an opening of said bearing housing, with said detent of said resin case press-fitted into said bearing housing being in engagement with said detent receiving portion.

3. The dynamoelectric machine as set forth in claim 1, wherein a ring-shaped rubber packing is provided which is arranged along an edge portion of an opening of said bearing housing; and said rubber packing is integrally molded with the one axial end of said resin case.

4. The dynamoelectric machine as set forth in claim 1, wherein a brush holder is provided which has an annular portion surrounding said shaft, said brush holder being fixedly attached to said bracket at a location close to said bearing housing; and said resin case has its one axial end integrally formed with said annular portion.